

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE



LISTING No. 3225-1721:100

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CATEGORY: Fire Dampers

LISTEE: NCA Mfg. Inc., 1985 Carroll St., Clearwater, FL 33765
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DESIGN: Models FSD-AF-211, FSD-AF-212, FSD-AF-231, and FSD-AF-232 fire dampers. Refer to listee's data sheet for additional detailed product description and operational considerations.

Models	Position	Single Section				Multiple Section				Rating Hour
		Width		Height		Width		Height		
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
FSD-AF-211	V	8"	36"	8"	48"	NA	108"	NA	96"	1-1/2
	H	8"	36"	8"	48"	NA	NA	NA	NA	1-1/2
FSD-AF-212	V	8"	36"	8"	48"	NA	108"	NA	96"	1-1/2
	H	8"	36"	8"	48"	NA	NA	NA	NA	1-1/2
FSD-AF-231	V	8"	36"	8"	48"	NA	72"	NA	96"	3
	H	8"	36"	8"	48"	NA	NA	NA	NA	3
FSD-AF-232	V	8"	36"	8"	48"	NA	72"	NA	96"	3
	H	8"	36"	8"	48"	NA	NA	NA	NA	3

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, classification rating, and UL label.

APPROVAL: Listed as 1½ and 3 hour fire-rated dampers. Intended for vertical or horizontal installation in heating, ventilating and air conditioning duct systems passing through fire resistive walls and partitions. Refer to listee's Installation Instruction Manual for details.

NOTE: Leakage rating not evaluated. Refer to Category 3230 for listed leakage dampers.

06-11-08 JW



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JANUARY 9, 2009**

*Listing Expires **June 30, 2009***

Authorized By: **BEN HO, Chief**
Fire Engineering Division